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To: [Eric Blischke/R10/USEPA/US@EPA](#)
Cc: [Robert Neely](#)
Subject: GIS analysis-
Date: 03/09/2009 03:34 PM

Hi Eric-

following up on our conversation-

1. LWG should create a query with all sediment samples and the top/bottom depth of the sediment sample
2. Depth weighted averaging- splitting the samples into depth layers (e.g. 12-18 in., 18-24 in. etc.) can be accomplished either manually using some criteria or software (<http://epa.instepsoftware.com/fields/>) which can be downloaded and still requires some decision criteria. There is good documentation in the help file within ArcView 9
3. Interpolation (natural neighbors) of the sample points for each layer using the same methodology for the surface
4. run LWG GIS tool or FIELDS Remedial tool to evaluate concentrations using PRG's
6. Use agreed upon scales (e.g. river miles/side of river)
5. Summary of remedial scenarios- could vary PRG's and create a simple graph showing area removed vs. concentration

These pieces can be accomplished by the gov't team using Query Manager data and the LWG GIS Tool- it would probably be best if LWG provides the data layer and cooperatively does the depth weighting- but both of these pieces reside outside of the "tool development" and are part of the analysis.

Thanks Eric-

Ben

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